



PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/050,608-Conf. #4635
		Filing Date	January 18, 2002
		First Named Inventor	Tetsumasa Ito
		Art Unit	To be assigned
		Examiner Name	To be assigned
Sheet 1 of 1		Attorney Docket Number	027929.101-US00

PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>[initials]</i>	A	4,840,893	06-20-1989	Hill et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number-Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
<i>[initials]</i>	B	JP 09-288085	11-04-1997	NGK Insulators Ltd.	ABSTRACT ONLY R	

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
<i>[initials]</i>	C	Downs, Mark, et al., "New DNA Technology and the DNA Biosensor," Analytical Letters, Vol. 20 (12), pp. 1897-1927 (1987).		
	D	Hashimoto, Koji, et al., "DNA sensor for electrochemical gene detection," Preparing for Clinical Care Analyses in the 21st Century, 16th International Symposium, 1996.		
	E	Molinier-Jumel, Catherine, et al., "Electrochemical Study of DNA-Anthracyclines Interaction," Biochemical and Biophysical Research Communications, Vol. 84, No. 2, pp. 441-49 (1978).		
	F	Palecek, Emil, "Adsorptive Transfer Stripping Voltammetry: Determination of Nanogram Quantities of DNA Immobilized at the Electrode Surface," Analytical Biochemistry Vol. 170, pp. 421-31 (1988).		
	G	Takenaka, Shigeori, et al., "Bis-9-acridinyl Derivative Containing a Viologen Linker Chain: Electrochemically Active Intercalator for Reversible Labelling of DNA," J. Chem. Soc., Chem. Commun., Vol. 21, pp. 1485-87 (1990).		
	H	Takenaka, Shigeori, et al., "DNA Sensing on a DNA Probe-Modified Electrode Using Ferrocenylanthracene Dioxide as the Electrochemically Active Ligand," Anal. Chem. Vol. 72, pp. 1334-41 (2000).		
	I	Takenaka, Shigeori, et al., "Electrochemically active threading Intercalator with high stranded DNA selectivity," J. Chem. Soc., Chem. Commun., No. 10, pp. 1111-12 (1998).		
	J	Takenaka, Shigeori, "Synthetic threading intercalators as a new analytical probe for nucleic acid and gene detection," Business Kagaku, Vol. 48, No. 12, pp. 1095-1105 (1999).		ABSTRACT ONLY R
	K	Takenaka, Shigeori, et al., "Threading Intercalators as a New DNA Structural Probe," Bull. Chem. Soc. Jpn, Vol. 72, pp. 327-37 (1999).		
<i>[initials]</i>	L	Yamashita, Kenichi, et al., "Electrochemical Detection of Base Pair Mutation," Chemistry Letters, pp. 1038-39 (2000).		

Examiner Signature	<i>[signature]</i>	Date Considered	Jun 03
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(use as many sheets as necessary)

Sheet	1	of	1	Attorney Docket Number	027929.101-US00
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Complete if Known

Application Number	10/050,608
Filing Date	January 18, 2002
First Named Inventor	Tetsumasa Ito
Art Unit	1642
Examiner Name	Not Yet Assigned

U.S. PATENT DOCUMENTS

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IV	A	IHARA, Toshihiro et al., "Synthesizing and Applying the Bis-Intercalator as an Electrochemical Detection Probe of DNA," Proceedings of the Japan Society for Analytical Chemistry, p. 54 (1989).	✓
IV	B	TAKANAGA, Shigeori et al., "Synthesizing the Electrochemical Threading Type Intercalator and Applying the Electrochemical Threading Type Intercalator to a DNA Sensor," Proceedings of the Japan Society for Analytical Chemistry, pp. 137-138 (1996).	✓

Examiner Signature		Date Considered	June '03
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